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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application. Please amend claims 15, 28, and 41, as follows:

Claims 1-14. (Canceled).

15. (Currently amended) A pigment composition comprising:

(a) a precipitated calcium carbonate comprising particle shapes chosen from

predominantly aragonitic, predominantly rhombohedral, and mixtures thereof, and

(b) a kaolin clay with a shape factor greater than or equal to about 25 and a

steepness greater than or equal to about 20.

16. (Previously Presented) The composition of Claim 15, wherein the

precipitated calcium carbonate comprises a predominantly rhombohedral precipitated

calcium carbonate.

17. (Previously Presented) The composition of Claim 16, wherein the

predominantly rhombohedral precipitated calcium carbonate has a  $\ensuremath{\text{d}_{50}}$  of less than

about 0.8 microns.

18. (Previously Presented) The composition of Claim 16, wherein the

predominantly rhombohedral precipitated calcium carbonate has a d<sub>50</sub> of less than

about 0.7 microns.

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- 19. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a  $d_{50}$  of at least about 0.2 microns.
- 20. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a d<sub>50</sub> ranging from about 0.25 microns to about 0.45 microns.
- 21. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a  $d_{50}$  ranging from about 0.4 microns to about 0.6 microns.
- 22. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a particle size distribution such that at least about 93% by weight of the particles have an equivalent spherical diameter less than 2 microns.
- 23. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a particle size distribution such that at least about 86% by weight of the particles have an equivalent spherical diameter less than 1 micron.
- (Previously Presented) The composition of Claim 16, wherein the
   predominantly rhombohedral precipitated calcium carbonate has a particle size

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distribution such that at least about 22% by weight of the particles have an equivalent spherical diameter less than 0.5 microns.

- 25. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a particle size distribution ranging from 5% to 25% by weight of the particles have an equivalent spherical diameter less than 0.25 microns.
- 26. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a GE brightness of at least 90.
- 27. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a GE brightness of at least 92.
- 28. (Currently Amended) The composition of Claim 16, wherein the kaolin clay has a shape factor greater than about 25 30.
- 29. (Previously Presented) The composition of Claim 16, wherein the predominantly rhombohedral precipitated calcium carbonate has a particle size distribution such that:

at least 93% by weight of the particles have an equivalent spherical diameter of less than 2 microns;

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at least 86% by weight of the particles have an equivalent spherical diameter of less than 1 micron:

at least 22% by weight of the particles have an equivalent spherical diameter of less than 0.5 microns; and

from 5% to 25% by weight of the particles have an equivalent spherical diameter less than 0.25 microns.

- (Previously Presented) The composition of Claim 15, wherein the 30. precipitated calcium carbonate comprises a predominantly aragonitic precipitated calcium carbonate.
- 31. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a d<sub>50</sub> of less than about 0.8 microns.
- 32. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a d<sub>50</sub> of less than about 0.7 microns.
- 33. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a d50 of at least about 0.2 microns.

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34. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a  $d_{50}$  ranging from 0.25 microns to about 0.45 microns.

- 35. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a particle size distribution such that at least about 90% by weight of the particles have an equivalent spherical diameter less than 2 microns.
- 36. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a particle size distribution such that at least about 75% by weight of the particles have an equivalent spherical diameter less than 1 micron.
- 37. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a particle size distribution such that at least about 60% by weight of the particles have an equivalent spherical diameter less than 0.5 microns.
- 38. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a particle size distribution ranging from 15% to 40% by weight of the particles have an equivalent spherical diameter less than 0.25 microns.

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- 39. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a GE brightness of at least 90.
- 40. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a GE brightness of at least 92.
- (Currently Amended) The composition of Claim 30, wherein the kaolin clay has a shape factor greater than about 25 30.
- 42. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a particle size distribution such that:

at least 90% by weight of the particles have an equivalent spherical diameter of less than 2 microns:

at least 75% by weight of the particles have an equivalent spherical diameter of less than 1 micron:

at least 60% by weight of the particles have an equivalent spherical diameter of less than 0.5 microns; and

from 15% to 40% by weight of the particles have an equivalent spherical diameter less than 0.25 microps

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43. (Previously Presented) The composition of Claim 30, wherein the predominantly aragonitic precipitated calcium carbonate has a particle size distribution such that:

at least 95% by weight of the particles have an equivalent spherical diameter of less than 2 microns:

at least 82% by weight of the particles have an equivalent spherical diameter of less than 1 micron;

at least 66% by weight of the particles have an equivalent spherical diameter of less than 0.5 microns; and

from 23% to 33% by weight of the particles have an equivalent spherical diameter less than 0.25 microns.

- (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a shape factor greater than about 30.
- 45. (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a shape factor greater than about 35.
- 46. (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a shape factor greater than about 45.
- 47. (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a d<sub>50</sub> of less than about 0.5 microns.

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- The composition of Claim 15, wherein the 48. (Previously Presented) kaolin clay has a d<sub>50</sub> ranging from about 0.1 microns to about 0.5 microns.
- 49. (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a d<sub>50</sub> of greater than about 0.5 microns.
- 50. (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a d<sub>50</sub> ranging from about 0.5 microns to about 1.5 microns.
- The composition of Claim 15, wherein the (Previously Presented) 51. kaolin clay has a steepness ranging from about 25 to about 45.
- 52 (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a steepness ranging from about 35 to about 45.
- (Previously Presented) The composition of Claim 15, wherein the 53. kaolin clay comprises at least 50% by weight kaolinite.
- 54. (Previously Presented) The composition of Claim 15, wherein the kaolin clay comprises greater than 75% by weight kaolinite.
- The composition of Claim 15, wherein the 55. (Previously Presented) kaolin clay comprises greater than 90% by weight kaolinite.
- 56 (Previously Presented) The composition of Claim 15, wherein the kaolin clay has a GE brightness of at least 85.

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(Previously Presented)

The composition of Claim 15, wherein the

kaolin clay has a GE brightness of at least 90.

The composition of Claim 15, wherein the 58 (Previously Presented)

precipitated calcium carbonate comprises at least about 40% by weight relative to the

total composition.

57.

The composition of Claim 15, wherein the 59. (Previously Presented)

precipitated calcium carbonate comprises at least about 70% by weight relative to the

total composition.

60. (Previously Presented) The composition of Claim 15, wherein the

precipitated calcium carbonate comprises not more than about 75% by weight relative

to the composition.

61. (Withdrawn) A coating composition for paper and other substrates, the

composition comprising an aqueous suspension of a particulate pigment and a binder.

wherein the particulate pigment comprises:

a precipitated calcium carbonate comprising particle shapes chosen from (a)

predominantly aragonitic, predominantly rhombohedral, and mixtures thereof, and

a kaolin clay with a shape factor greater than or equal to about 25 and a (b)

steepness greater than or equal to about 20.

62. (Withdrawn) The composition according to claim 61, wherein the binder

comprises a modified starch.

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- (Withdrawn) The composition according to claim 61, further comprising at 63. least one additional component chosen from: cross linkers; water retention aids: viscosity modifiers and thickeners: lubricity/calendering aids; dispersants; antifoamers/defoamers; dry and wet pick improvement additives; dry and wet rub improvement and/or abrasion resistance additives; gloss-ink hold-out additives; optical brightening agents (OBA) and/or fluorescent whitening agents (FWA); dves: biocides/spoilage control agents; levelling and evening aids; grease and oil resistance additives; water resistance additives; additional pigments; and mixtures thereof.
- 64. (Withdrawn) The composition according to claim 63, consisting essentially of the aqueous suspension of the particulate pigment, the binder, and the at least one additional component, with less than about 10% by weight of the at least one additional component.
- 65. (Withdrawn) A method for preparing a coating composition comprising an aqueous suspension of a particulate pigment and a binder, wherein the particulate pigment comprises: a precipitated calcium carbonate comprising particle shapes chosen from predominantly aragonitic, predominantly rhombohedral, and mixtures thereof, and a kaolin clay with a shape factor greater than or equal to about 25 and a steepness greater than or equal to about 20, comprising:

mixing the particulate pigment and the binder into an aqueous liquid medium to prepare a suspension of the solid components therein.

66 (Withdrawn) A method for preparing a coated gloss paper comprising: DO NOT ENTER: /S.A./

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applying to the paper a composition comprising an aqueous suspension of a

particulate pigment and a binder, wherein the particulate pigment comprises: a

precipitated calcium carbonate comprising particle shapes chosen from predominantly

aragonitic, predominantly rhombohedral, and mixtures thereof, and a kaolin clay with a

shape factor greater than or equal to about 25 and a steepness greater than or equal to

about 20 to coat the paper, and

calendering the paper to form a gloss coating thereon.

67. (Withdrawn) A paper coated with a gloss coating comprising a dry residue

of a composition comprising an aqueous suspension of a particulate pigment and a

binder, wherein the particulate pigment comprises: a precipitated calcium carbonate

comprising particle shapes chosen from predominantly aragonitic, predominantly

rhombohedral, and mixtures thereof, and a kaolin clay with a shape factor greater than

or equal to about 25 and a steepness greater than or equal to about 20.

68. (Withdrawn) The paper according to claim 67, which is a coated

mechanical paper.

69. (Withdrawn) The paper according to claim 67, which is a coated

lightweight coated paper (LWC).

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